

**Electric VFD**  
**Commercial Door Operators**  
*For Challenging Applications*

**smartJACK**



# Smart, Durable and Reliable

## Fully Adjustable To Your Specialty Application



# smart JACK

- Soft-Start, Soft-Stop
- High Speed Door Operation
- Built-in Obstruction Sensing
- Password Accessible
- Auto Close Timer & Midstop
- Easy Flexible Programming For Any Door Application.
- Choice of Primary Power- 120/230VAC (1Ø) or 230/460 VAC (3Ø)
- Durable, Reliable TEFC Motor
- Sealed Worm Gear Box- (Hazardous Location Rated)
- Meets UL 325 Requirements

A great choice for just about any high-use, wet, dirty or otherwise demanding application, the SmartJack Electric VFD Operator delivers that extra durability, reliability and operational adaptability that you need in special situations.

Using a combination of a state-of-the-art programmable logic control module (PLC), durable, high-quality motor and modern gearbox technologies, the SmartJack features just about everything you want in a specialty door operator.

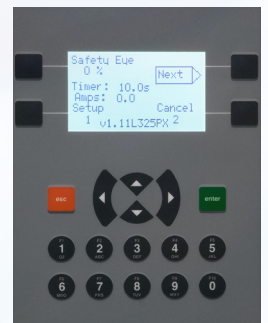
Fully-adjustable to meet just about any set of operational requirements, SmartJack VFD electric operators control the door with soft-start, soft-stop motion, which is easy on the door and allows for complete adjustment of the acceleration and deceleration speeds, starting and stopping points as well as other functions.

The SmartJack monitors the door position and speed allowing the system to know exactly where the door is in relation to where it was originally programmed. This monitoring is not only used in SmartJack's ability to be fine-tuned for travel and speed. It is also used in SmartJack's built-in safety mechanism that helps in detecting obstructions, door damage or poor door operation.

Designed for quick, easy setup, optimum safety and ease-of-use in mind, SmartJack's Programmable Logic Control (PLC) with HMI display offers flexible on-site programming allowing it to adjust to just about any set of operational conditions.

Numerous inputs are available for integrating signalling devices or equipment such as: control stations, radio controls, photoeyes, safety edges, motion detectors, loops, carwash equipment and many others. Numerous outputs are standard as well for signalling other devices such as: lights, monitors, etc.

The SmartJack is pre-programmed and ready to operate; just input a few entries in the control panel during the initial setup and you are ready to go. Take a few moments more and you can customize the door speed and travel for your specific situation.



### Control Box & Sensors

- NEMA 4X Enclosure
- Auto/hand switch & disconnect handle mounted on cover
- Integrated proximity sensor for position monitoring
- Home sensor calibrates fully-closed position
- VFD controls speed & direction while reducing start-up electrical demand.
- Open, Close & Stop buttons mounted on cover

American<sup>TM</sup>  
garage door supply inc.

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